

*Filed in Dwg Section.*INSTALLATION ENGINEERING DATARefer to dwg. 1-023-B-513Date form completed 16 November 1966

(See Remarks at end of form)
 Numbers in parentheses refer to
 appended notes at end of form

Tentative ☐ Valid until _____Final data ☒

I. INSTRUMENT

- A. Name of instrument: Briefing Print Enlarger 1-023-E-001
 B. Manufacturer: _____
 C. Contract number: _____
 D. Delivery date: Tentative: _____ Final: _____

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II. PHYSICAL FEATURES

A. Sub-assemblies:

1. Number of sub-assemblies: 5
 2. Largest sub-assembly: Weight 1500 lbs; 78 " H x 35 " W x 128 " D
 3. Heaviest sub-assembly: Weight 1500 lbs; 78 " H x 35 " W x 128 " D

B. Assembled instrument:

1. Number of major components: 3
 2. Largest component: Weight 1600 lbs; 78 " H x 42 " W x 128 " D
 3. Heaviest component: Weight 1600 lbs; 78 " H x 42 " W x 128 " D
 (1) 4. Total floor space required after assembly, including maintenance access
 space. _____ Ft. _____ In. High x _____ Ft. _____ In. Wide x _____ Ft. _____ In. Deep.
 5. Total weight of assembled instrument: 2450 lbs.

C. Type of base of mount: Flat _____; 3-point suspension _____; 4-point suspension XD. Does the instrument have built-in mobility? Yes X No _____

E. Is the instrument particularly sensitive to vibration? Yes _____ No X
 Will the instrument generate vibration? Yes _____ No X

F. Are any special or unusual tools or fixtures necessary or advisable for
 the installation of the maintenance of this instrument? Yes _____ No X.
 If "Yes," please describe: _____

III. UTILITIES

A. Electrical:

1. Voltage 208/120 Volts AC 10% _____ Volts DC / _____
 2. Current 20 Amps/phase _____ Amps
 3. Frequency 60 cps
 4. Nr. of phases 3 Ph
 5. Nr. of wires 4
 6. Power required 4500 Watts _____ Watts
 7. Power factor 0.8 Min. (1.0) (Lagging)
 (2) 8. Type of outlet: Two prong _____; three prong _____; Twist lock _____; Perm. _____
 9. Type of ground: Building conduit X; Direct earth ground _____
 10. Should the instrument be shielded, either from external electromagnetic
 signals or to prevent interference with other equipment? Yes _____ No X
 If "Yes," to what extent? _____

B. Air conditioning:

1. Desired environment: Room air temperature of 72 °F / 7 °F and relative humidity of 40% / 20%.
2. Input Air: Is a direct connection necessary? Yes No X ;
Adviseable? Yes No ; If "Yes," what is the connector type and size? Recommended input air temperature °F / °F.
Relative humidity % / %. If input air must be filtered, what is the maximum particle size in microns? What particle count? / cu. ft.
3. Output Air: Is a direct connection to the return air duct necessary? Yes No . Adviseable? Yes No . Connector type and size? . Output air temperature °F / °F. Relative humidity % / %. Output heat BTU/Hr. Flow of CFM. Is output air toxic? Yes No ; Noxious? Yes No .

(3), (4)

C. Plumbing:

1. Is water required? Yes No X ; Pressure PSIG, flow GPM.
2. Type of water required:
Tap °F / °F Deionized °F / °F
Tempered °F / °F Filtered °F / °F
If filtered, give maximum permissible particle size in microns and the maximum permissible count. microns particles/cu. ft.
3. Pipe required:
Galvanized Copper Size
Stainless Steel Plastic Type of connector
4. Floor drain:
Diameter of drain Galvanized drain?
Plastic drain? Glass drain?
5. Are any chemical solutions used in the device? Yes No . If "Yes," state the nature of the solution(s), permissible temperature range, flow rate in appropriate units and the filtration necessary for each solution .
6. Size of pipes and connectors .

D. Compressed air:

Is compressed air required? Yes No X . Water free? Oil Free?
Type and size of connector? . Pressure PSIG. Flow in CFM
Maximum , minimum , average .

E. Vacuum:

Is vacuum required? Yes No X . Pressure PSIA or (inches of water) (millimeters of mercury). Displacement in CFM, maximum , minimum , average . Type and Size of connectors .

F. Peripheral Devices:

Will the instrument be connected to any peripheral devices such as a computer or data input or data output device? Yes No . If "Yes," give, in detail, the nature of the connection to the peripheral device such as coaxial cable, multiple wire connector, etc.

IV. REMARKS

- A. Use additional sheets if more space is required for environmental conditions or utilities not mentioned above.
- B. Submit three typed copies of the completed form to the Technical Representative.

- C. Attach three copies of a dimensioned outline drawing of each major component and of the completed assembly. Include the estimated weight of each major component and of the completed assembly. Indicate, on the outline drawing of the completed assembly, the space required for access to the instrument for maintenance.
- D. If a question does not apply to the instrument, insert "N/A" (Not Applicable) in the appropriate blank space.

Information provided by:

[Redacted Signature Box]

(Signature)

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Sr. Project Engineer
(Position or job title)

NOTES

- (1) See drawing 1-023-B-513, Sheet 4
- (2) The contractor will supply one receptacle and its box for installation at the site by the customer prior to delivery of the BPE. The receptacle is a Crouse-Hinds "Arktite" 5-conductor unit. A wiring diagram for the receptacle is shown in installation drawing 1-023-B-513, Sheet 7.
- (3) The immersion fluid vapor is removed from the negative gate area by a blower mounted on the Enlarger. A 25-foot length of 4" I.D. flexible tubing is supplied for connection from the blower outlet to an outdoor exhaust system. Provision should be made, such as installation of an additional blower or other means, to prevent stoppage or reversal of the air flow by back pressure from the outside vent. This system should provide for 200 to 300 cfm, air flow.
- (4) The Easel Exhauster produces about 0.5 psig vacuum at the Easel face and provides cooling exhaust for the Enlarger Lamphouse. The air intake is at the Easel surface and at a filter on the Lamphouse. The Exhauster is mounted in a sound control enclosure as shown in drawing 1-023-B-513, sheet 5. It is recommended that the Exhauster Enclosure be mounted in the room with the Enlarger to avoid disturbing building air circulation. The air movement through the Exhauster is 600 cfm max. Most of the output heat of the BPE is carried in the Exhauster output and is estimated to be 1.5 to 2.0 kilowatts (5000 to 7000 BTU/Hr). A 10-foot length of 7" I.D. flexible tubing is supplied for connection from the Main Assembly of the Enlarger to the Exhauster.